

## CLAIMS

What is claimed is:

1. A method for producing a fine, highly crystalline material product, the method comprising fluid energy milling a crystalline material using a milling fluid comprising helium at reduced temperature.

2. A method according to claim 1 wherein the milling fluid consists of helium.

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3. A method according to claim 1 wherein the temperature of the milling fluid is between  $-30^0\text{C}$  and  $-120^0\text{C}$ .

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4. A method according to claim 3 wherein the temperature of the milling fluid is between  $-50^0\text{C}$  and  $-70^0\text{C}$ .

5. A method according to claim 1 wherein the crystalline material comprises a medicament powder.

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6. A method according to claim 5 wherein the crystalline material is triamcinolone acetonide.

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7. A method according to claim 1 wherein the product has an amorphous content of less than 5%.

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8. A method according to claim 7 wherein the product has an amorphous content of less than 2%.

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9. A method according to claim 8 wherein the product has an amorphous content of less than 1%.

10. A method according to claim 1 wherein the product comprises a medicament powder in a form suitable for inhalation.

11. A method according to claim 10 wherein the product has a median particle size of less than 10 microns.

12. A crystalline material containing substantially no amorphous content and having a median particle size of less than 2 microns.

13. A crystalline material according to claim 12 having a median particle size of about 1 micron.

10. (14.) A crystalline material according to claim 12 which is triamcinolone acetonide.

15. A crystalline material produced by a method according to claim 1.

16. A crystalline material according to claim 15 containing substantially no amorphous content and having a median particle size of less than 2 microns.